

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

PATENT ABSTRACTS OF JAPAN

(11) Publication number : 03-089163

(43) Date of publication of application : 15.04.1991

(51) Int.CI.

G01N 33/535

(21) Application number : 01-225522 (71) Applicant : MEIDENSHA CORP

(22) Date of filing : 31.08.1989 (72) Inventor : YOKOYAMA KAZUE
AOYANAGI SHIGEO
KUSUMI MIYOKO
MATSUYUKI AKIRA

(54) REAGENT FOR MEASUREMENT OF ENZYME IMMUNITY AND PREPARATION THEREOF

(57) Abstract:

PURPOSE: To improve the measuring sensitivity and reproducibility by bonding 5 molecules of an antigen or antibody with one molecule of glucose 6 dehydrogenase phosphate (G6PDH) thereby to obtain a reagent for measuring enzyme immunity.

CONSTITUTION: G6PDH to be used as a marker antibody has the molecular weight of 110,000, showing superior stability is used as an antibody market. An antibody obtained, for example, by immunizing an animal against an antigen, or a fragment having the antigen avidity and obtained by making a protein lytic enzyme act to the above antibody may be usable as an antibody to mark an enzyme. A bridging agent having maleimide group is employable when the G6PDH is to be marked to an antibody. If an enzyme market antibody obtained by bonding five molecules of antibodies with one molecule of the G6PDH with using the G6PDH as a marker enzyme is prepared to be a suitable concentration to a buffer solution of pH2-3 and used for the enzyme immunity

measurement of homogeneous method or heterogeneous method, it becomes easy to detect an object to be detected.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]